Author Index, Vol. XXVII, 1963

	Page
Ali, M. A.	57
Altman, P. L.—Book	147
Andresen, W. F.	47
Arthur, John W.	199
Ashikawa, Kazutaka	129
Bagga, Shanta	225
Bast, Sister Eileen Marie	295
Bell, A. E.	87
Bernardis, Lee L.	77, 175
Bird, Luis	29
Blackith, R. E.	317
Callard, Ian P.	149
Carmon, J. L.	247
Clark, R. T.	205
Cowden, Ronald R.	185
Davies, R. G.	371
Diller, I. C.—Book Review	147
Dittmer, D. S.—Book	147
Eastlick, H. L.	199
Endo, Sachio	129
Englert, Duwayne C.	87
Enomoto, Kingo	29
Forbes, Gilbert B.	285
Golley, F. B.	247
Gregory, P. W.	205
Guilbert, H. R.	205
Hattori, Takao	129
Hellwig, C. Alexander	305
Ishibashi, Yukio	129
Jolicoeur, Pierri	1
Knott, Virginia B.	157
Lehman, H. E.	185
McCandless, Ruth G.	111, 125
McCashland, B. W.	39, 47
McCoord, Augusta	285
Matsuda, Ryuichi	271
Miller, Elizabeth Eshelman	101
Mills, K. S.	295
Moy, E. A.	317
Munn, R. J.	111, 125
Okada, Kiyosuke	129
Saelhof, Clarence	29
Scharf, Allan	255
Schjeide, O. A.	111, 125
Sekiguichi, Morimasa	129
Seshachar, B. R.	225
Shelby, C. E.	205
Skelton, Floyd R.	77
Sokoloff, Boris	29
Welch, Jack W.	305
Williams, R. G.	247

Subject Index, Vol. XXVII, 1963

Adenine, therapy
in Mitomycin C treatment 132
Antibodies, formation
in Mitomycin C therapy 131
Arterial blockage
in Mitomycin C therapy 137
Ascites tumor fluid
antigen characteristics of 106
precipitin reaction, of 103
protein concentration of 103
Ascorbic acid
hemorrhagic disease in rats 30, 35, 37
Bioflavonoids
bleeding time, Mitomycin C toxicity 138-140
coagulation time 137
composition of 134
hemorrhagic disease in rats 30, 34, 37
hemorrhagia induced by Mitomycin C 133-141
Bone marrow transplantation
in Mitomycin C therapy 132
Bone sodium
in growing rats 285-294
Book Review 147

Author Index, Vol. XXVII, 1963

	Page
Ali, M. A.	57
Altman, P. L.—Book	147
Andresen, W. F.	47
Arthur, John W.	199
Ashikawa, Kazutaka	129
Bagga, Shanta	225
Bast, Sister Eileen Marie	295
Bell, A. E.	87
Bernardis, Lee L.	77, 175
Bird, Luis	29
Blackith, R. E.	317
Callard, Ian P.	149
Carmon, J. L.	247
Clark, R. T.	205
Cowden, Ronald R.	185
Davies, R. G.	371
Diller, I. C.—Book Review	147
Dittmer, D. S.—Book	147
Eastlick, H. L.	199
Endo, Sachio	129
Englert, Duwayne C.	87
Enomoto, Kingo	29
Forbes, Gilbert B.	285
Golley, F. B.	247
Gregory, P. W.	205
Guilbert, H. R.	205
Hattori, Takao	129
Hellwig, C. Alexander	305
Ishibashi, Yukio	129
Jolicoeur, Pierri	1
Knott, Virginia B.	157
Lehman, H. E.	185
McCandless, Ruth G.	111, 125
McCashland, B. W.	39, 47
McCoord, Augusta	285
Matsuda, Ryuichi	271
Miller, Elizabeth Eshelman	101
Mills, K. S.	295
Moy, E. A.	317
Munn, R. J.	111, 125
Okada, Kiyosuke	129
Saelhof, Clarence	29
Scharf, Allan	255
Schjeide, O. A.	111, 125
Sekiguichi, Morimasa	129
Seshachar, B. R.	225
Shelby, C. E.	205
Skelton, Floyd R.	77
Sokoloff, Boris	29
Welch, Jack W.	305
Williams, R. G.	247

Subject Index, Vol. XXVII, 1963

Adenine, therapy
in Mitomycin C treatment 132
Antibodies, formation
in Mitomycin C therapy 131
Arterial blockage
in Mitomycin C therapy 137
Ascites tumor fluid
antigen characteristics of 106
precipitin reaction, of 103
protein concentration of 103
Ascorbic acid
hemorrhagic disease in rats 30, 35, 37
Bioflavonoids
bleeding time, Mitomycin C toxicity 138-140
coagulation time 137
composition of 134
hemorrhagic disease in rats 30, 34, 37
hemorrhagia induced by Mitomycin C 133-141
Bone marrow transplantation
in Mitomycin C therapy 132
Bone sodium
in growing rats 285-294
Book Review 147

Page

Cancer
arterial blockage in Mitomycin C therapy 137
of the lung 138
of the penis 138
Chick cardiac cell
mouse submaxillary gland extract in 295
Chicken, oocyte development 111-124
lipovittelin 120
lysosomes 116
membrane propria (MP) 113, 127, 128
mitochondria-like organelles 113
pre-mitochondria 116, 125
Colchicine
in mitosis, rat epidermis 150
Dysdercus fasciatus
development of 317-334
growth pattern of 322
postembryonic growth 331
Echinoid development
cytochemical study of 185
differentiation in 185
Femur, of
man 20-21
Martex americana 3
Friend virus leukemia
Mitomycin C effect, on 129
Growth
book on 147
differences in *Tetrahymena pyriformia* 39-45
differential growth in rats 175
Hereford cows 205
in rat hypothalamus 77-86
of *Dysdercus fasciatus* 317
of mamillary nucleus 80-81
of Negro children 271-284
of *Peromyscus polionotus* 247
of rat, in connection with bone sodium 285
of supraoptic nucleus 80-81
of ventromedial nucleus 80-81
of White children 271-284
postnatal differential 77-86
retinal, in *Salmo salar* 57-76
stimulated by submaxillary gland extract 295
Tribolium castaneum 87-99
Hereford cows
breeding 205
growth of 205-223
Heterosis
a factor in growth 97
Humerus, of
Martex americana 3
Hypothalamus
of rat 77
postnatal differentiation growth, of 77-80
Hypothalamus lesions
differential growth of rats 175-183
electrolytic lesions, induced in rats 176
thyroxin, in rat growth 179

Page

Lactate
in mitosis, rat epidermis 152, 155
Leukotaxine 35, 133
Lipovittelin
in frog's oocyte 121
in hen's oocyte 116
Lysosomas
of hen's oocyte 116
Lytechinus verigatus
ontogenesis of 186-196
RNA in ontogenesis of 187, 195
Martex americana
epicondylar of 3
femur of 3
humerus of 3
Mamillary nucleus
position of 82
Melita quinquesperforata
ontogenesis of 186
RNA in ontogenesis of 187, 195
Methylcholanthrene
carcinogenic effect on chicks, of 199-204
fibrosarcoma, induced by 201
histocytic sarcoma, induced by 201
Mitochondria-like organelles
of hen's oocyte 113
Mitomycin A 129
Mitomycin B 129
Mitomycin C
adenine, in cytotoxicity of 132
antibodies formation 131
arterial blockage, in 137
bioflavonoids 35, 36
bone marrow transplantation, in 132
capillarotoxicosis 36
cytotoxicity of 129-146
defense mechanism, in 130
hemorrhagic diathesis, induced by 133
intermittent therapy, of 131
leukopenia, induced by 130
mortality rate, in mice 134, 135, 142
oncolytic activity of 129
trypan blue injection, in 133-134
tumor stimulation, by 131-132
Mortality rate
of mice, in Mitomycin C therapy 134, 135, 142
Ontogenesis
early of Echinoid 186
Pantala flavescens (Fabricius)
DNA, in oogenesis, of 226
oogenesis, of 225-246
RNA, in oogenesis, of 226
Peromyscus polionotus
growth of 247-254
variability in growth, of 253

Page

Pooled blood
in wound healing 256
Puerto Rican children
body weight 167
leg girth 162
measurements of 157-174
stature 159
Rana catesbiana
lipovittelin 121
oocytes of 111-121
phosvitin 121-122
Rat
hemorrhagic disease in 29-38
Rat ear epidermis
mitotic activity, in 149-156
RNA—ribose nucleic acid
dense bodies, in hen's egg 128
in hen's egg 125-128
in ontogenesis of Echinoid 187, 195
in oogenesis of *Pantala flavescens* 225
synthesis in early gastrulae 195
Robustness in
human limb bones 20, 21
Martex americana 1-19, 26-27
Rous chick sarcoma virus
capillarotoxicosis, in 35
capillary syndrome, in 35, 36
hemorrhagic disease and ascorbic acid 30, 35, 37
hemorrhagic disease and bioflavonoids 30, 34, 35
hemorrhagic disease in rats induced by 29-38
in the hemorrhagic lesions of rat 36
Sarcoma I
ascites tumor 101-102
ascites tumor fluid 102
of ascites tumor fluid 102-103
protein concentration 102-103
solid tumor 101
Submaxillary gland
extract of, orientor of chick cardiac cells 295
extract of, stimulator of growth 295
Supraortic nucleus
position of 81
Tetrahymena pyriformis
cyanide adaptation 47-56
daughter cells of 44
growth differences 44, 45
monster cells of 44
opisthe cells of 45
Thyroid
drug-induced tumors, of 305
in guinea pigs 305-315
Thyroiditis
chronic 305
of guinea pigs, experimentally induced 305
relation of, to cancer of thyroid 305
Thyroxin
in rat growth 179

Page

Tribolium castaneum
genetic differences in growth curve of 87-99
heterosis, as a factor in growth 97
humidity, effect on growth curves 95-96
Tribolium confusum
growth curves, of 89, 95
Trypsin
in wound healing 256
Tumor, stimulation
in Mitomycin C therapy 131
Ventromedial nucleus
position of 81, 82
Wound healing process
cornified nail-like structure, in 261
in amputation of rat digit 255-269
pooled blood in 256
trypsin in 256